## AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listing of the claims in this application.

**Listing of the Claims:**

Claims 1-4: (Canceled).

5. (Previously Presented) An in-vivo information extracting system comprising:

a tag device used in a living body, a relay device which is installed outside the living body and near the tag device placed in the living body, and a main transceiver which wirelessly exchanges signals with the relay device,

wherein the tag device comprises:

tag reception means for receiving an electromagnetic wave fed from outside the tag device,

power generating means for generating internal operating power from the electromagnetic wave received by the tag reception means,

in-vivo information extracting means for measuring an environment within the living body and outputting measured data, and

tag transmission means for wirelessly transmitting the measured data outputted by the in-vivo information extracting means to the relay device; and

wherein the relay device comprises:

relay reception means for wirelessly receiving the measured data transmitted by the tag device, and

relay transmission means for wirelessly transmitting the measured data received by the relay reception means to the main transceiver;

the relay device comprises data accumulating means for accumulating the measured data;

the relay transmission means comprises means for transmitting the measured data accumulated in the data accumulating means to outside the relay device in response to a request signal supplied from outside the relay device.

6. (Canceled).

7. (Original) The in-vivo information extracting system according to claim 5,

the relay transmission means comprises means for retransmitting the measured data accumulated in the data accumulating means to the main transceiver if no acknowledge signal is returned when the measured data is transmitted to the main transceiver.

8. (Canceled).

9. (Previously Presented) An in-vivo information extracting system comprising:

a tag device used in a living body, a relay device which is installed outside the living body and near the tag device placed in the living body, and a main transceiver which wirelessly exchanges signals with the relay device,

wherein the tag device comprises:

tag reception means for receiving an electromagnetic wave fed from outside the tag device,

power generating means for generating internal operating power from the electromagnetic wave received by the tag reception means,

in-vivo information extracting means for measuring an environment within the living body and outputting measured data, and

tag transmission means for wirelessly transmitting the measured data outputted by the in-vivo information extracting means to the relay device; and

wherein the relay device comprises:

relay reception means for wirelessly receiving the measured data transmitted by the tag device, and

relay transmission means for wirelessly transmitting the measured data received by the relay reception means to the main transceiver;

the tag device comprises data accumulating means for accumulating the measured data outputted by the in-vivo information extracting means;

the tag transmission means comprises means for transmitting the measured data accumulated in the data accumulating means to the relay device in response to a request signal supplied from outside the tag device.

10. (Canceled).

11. (Previously Presented) An in-vivo information extracting system comprising:

a tag device used in a living body, a relay device which is installed outside the living body and near the tag device placed in the living body, and a main transceiver which wirelessly exchanges signals with the relay device,

wherein the tag device comprises:

tag reception means for receiving an electromagnetic wave fed from outside the tag device,

power generating means for generating internal operating power from the electromagnetic wave received by the tag reception means,

in-vivo information extracting means for measuring an environment within the living body and outputting measured data, and

tag transmission means for wirelessly transmitting the measured data outputted by the in-vivo information extracting means to the relay device; and

wherein the relay device comprises:

relay reception means for wirelessly receiving the measured data transmitted by the tag device, and

relay transmission means for wirelessly transmitting the measured data received by the relay reception means to the main transceiver;

the tag reception means and the tag transmission means comprise a low-frequency coil antenna.

12. (Previously Presented) An in-vivo information extracting system comprising:

a tag device used in a living body, a relay device which is installed outside the living body and near the tag device placed in the living body, and a main transceiver which wirelessly exchanges signals with the relay device,

wherein the tag device comprises:

tag reception means for receiving an electromagnetic wave fed from outside the tag device,

power generating means for generating internal operating power from the electromagnetic wave received by the tag reception means,

in-vivo information extracting means for measuring an environment within the living body and outputting measured data, and

tag transmission means for wirelessly transmitting the measured data outputted by the in-vivo information extracting means to the relay device; and

wherein the relay device comprises:

relay reception means for wirelessly receiving the measured data transmitted by the tag device, and

relay transmission means for wirelessly transmitting the measured data received by the relay reception means to the main transceiver;

the tag reception means and the tag transmission means comprise a radio-frequency planar loop antenna.

13. (Previously Presented) An in-vivo information extracting system comprising:

a tag device used in a living body, a relay device which is installed outside the living body and near the tag device placed in the living body, and a main transceiver which wirelessly exchanges signals with the relay device,

wherein the tag device comprises:

tag reception means for receiving an electromagnetic wave fed from outside the tag device,

power generating means for generating internal operating power from the

electromagnetic wave received by the tag reception means,

in-vivo information extracting means for measuring an environment within the living body and outputting measured data, and

tag transmission means for wirelessly transmitting the measured data outputted by the in-vivo information extracting means to the relay device; and

wherein the relay device comprises:

relay reception means for wirelessly receiving the measured data transmitted by the tag device, and

relay transmission means for wirelessly transmitting the measured data received by the relay reception means to the main transceiver;

the tag reception means and the tag transmission means use a container of the tag device as a radio-frequency antenna.

Claims 14-28: (Canceled).

Claim 29. (New) An in-vivo information extracting system comprising:

a tag device used in a living body, a relay device which is installed outside the living body and near the tag device placed in the living body, and a main transceiver which wirelessly exchanges signals with the relay device,

wherein the tag device comprises:

tag reception means for receiving an electromagnetic wave fed from outside the tag device,

power generating means for generating internal operating power from the electromagnetic wave received by the tag reception means,

in-vivo information extracting means for measuring an environment within the living body and outputting measured data, and

tag transmission means for wirelessly transmitting the measured data outputted by the in-vivo information extracting means to the relay device; and

wherein the relay device comprises:

relay reception means for wirelessly receiving the measured data transmitted by the tag

device, and

relay transmission means for wirelessly transmitting the measured data received by the relay reception means to the main transceiver;

the tag reception means and the tag transmission means comprise a capsule made of a high dielectric material.